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(54) CONDUCTIVE SILICONE SELF-ADHESIVE COMPOSITION AND SELF-ADHESIVE TAPE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a conductive silicone self-adhesive composition having no problems on metal corrosion, exhibiting excellent heat resistance at a high temperature and suitable for adhesion of an conductive contact member, an electromagnetic wave-shielding material, destaticization for preventing charge build-up and the like.

SOLUTION: The conductive, addition reaction-curable silicone self-adhesive composition comprises (A) a polydiorganosiloxane bearing at least two alkenyl groups in one molecule, (B) a polyorganosiloxane having an $R_1SiO_{0.5}$ unit (wherein R_1 is a monovalent hydrocarbon group having no 1-10C aliphatic unsaturated bond) and an SiO_2 unit with an $R_1SiO_{0.5}$ unit/ SiO_2 unit molar ratio of 0.6-1.7, (C) a polyorganosiloxane bearing an SiH group, (D) a controlling agent, (E) a platinum catalyst, (F) an conductive fine particle, and other components.

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